# BRUHATH BANGALORE MAHANAGARA PALIKE

## Yalahanka ELECTRICAL DIVISION

## PRE MEASUREMENT BOOK

**Name of work:** :- Annual maintenance and repairs of Street Lights in Ward No 01 Package Y-01 of Yelahanka Zone

**Name of Contractror of nature of Agency:-M/S. Vinayaka Electrical**

**Job Code No:-001-22-000008**

**Ref no and Date of commencement of work:-** - EE/Ele/YZ//WO/000001 /22-23 Date 01/04/2022

**Aggrement No & date:-**

**Measurement Book No:** 2605/23-24 **Page No:** 260460 to 260461

**Bill NO :- 12th RA Bill** **Bill Period : 01-11-2023 to 30-11-2023 (for 1 months)**

| Sl. No. | | Unit | Period in Months | Present Measurements | | |
|---|---|---|---|---|---|---|
| | | | | Qty | Tender Full Rate | Cost |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. i) Poles with 36/40 W fluorescent tube light street lighting system. | Each | 1 | 5 | 57.08 | 285.40 |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting system. | Each | 1 | 0 | 63.00 | 0.00 |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV light street lighting system/High Mast lighting system. | Each | 1 | 1483 | 84.91 | 125921.53 |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 400 watts HPSV light street lighting system. | Each | 1 | 0 | 93.16 | 0.00 |

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| 5 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting system. | Each | 1 | 0 | 73.33 | 0.00 |
| 6 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED streetlight lighting system | Each | 1 | 270 | 95.58 | 25806.60 |
| 7 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED streetlight lighting system | Each | 1 | 1166 | 114.75 | 133798.50 |
| 8 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system | Each | 1 | 0 | 131.25 | 0.00 |
| 9 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each | 1 | 0 | 155.91 | 0.00 |
| 10 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole | Nos | - | 0 | 770.00 | 0.00 |

Assistant Executive Engineer (Elec)
BBMP, Bangalore

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| 11 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Nos | - | 0 | 7200.00 | 0.00 |
| 12 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers | Each | - | 0 | 4030.00 | 0.00 |
| 13 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each | - | 0 | 723.00 | 0.00 |
| | **TOTAL** | | | | | **285812.03** |
| | **Add GST 18 % on item no 08 to 21** | | | -12% | 34297.44 | 251514.59 |
| | **TOTAL Rs** | | | 18% | 45272.63 | **296787.21** |
| | Fine imposed for non burning of street lights For the period of 01/11/2023 to 30/11/2023 | | | | | 4000.00 |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material | | | | | 5935.74 |
| | **GRAND TOTAL** | | | | | **286851.47** |

**CERTIFICATE**

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst Exe Engineer(Elec)
Yalahanka Division